

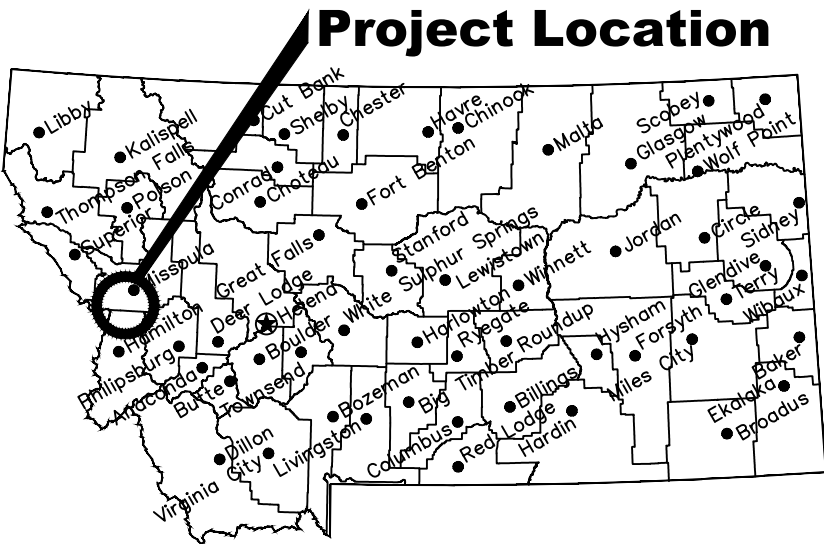
MONTANA FISH, WILDLIFE & PARKS

Travelers' Rest State Park

Visitor Center Re-roof

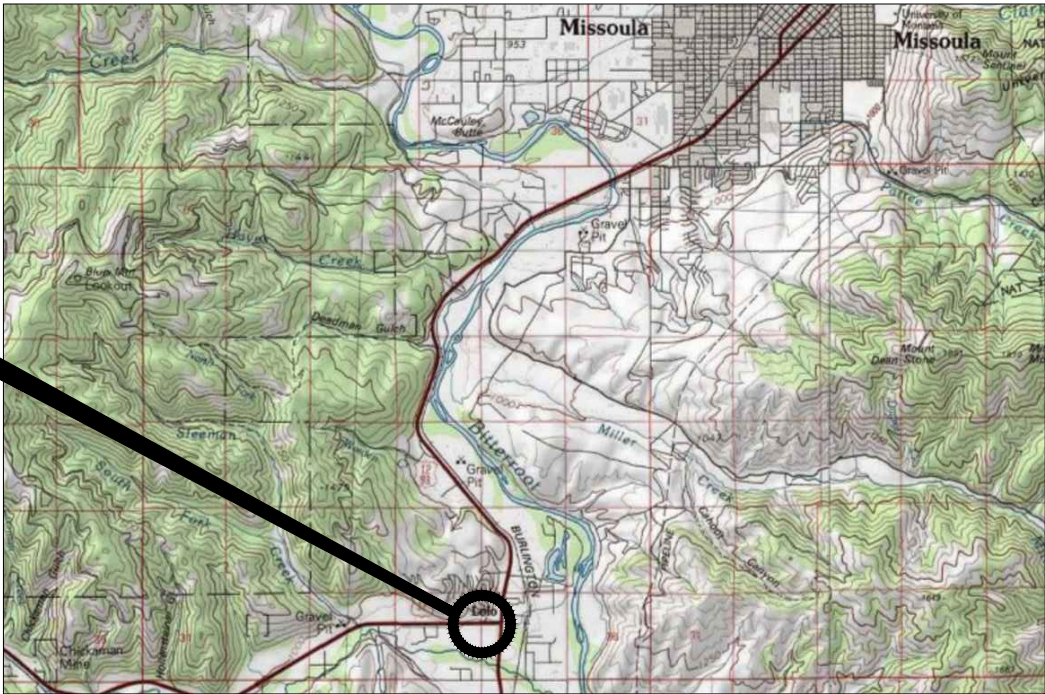
Lolo, MT

FWP# 7196110



Location Map

No Scale



Vicinity Map

No Scale



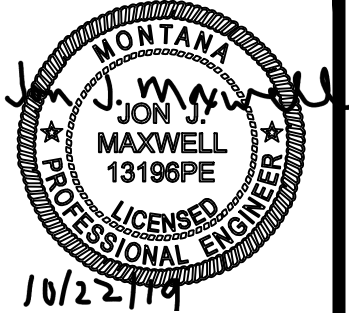
MONTANA FISH, WILDLIFE AND PARKS
DESIGN AND CONSTRUCTION

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DRAWING INDEX

1. TITLE SHEET
2. SOUTH FACE, GIFT SHOP & VESTIBULE
3. NORTH FACE
4. RAFTER AND INSULATION DETAILS



J. MAXWELL 10/8/19
DRAWN BY: DATE:
P. JAGODA 10/22/19
CHECKED BY: DATE:

APPROVED BY: DATE:
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**MONTANA FISH,
WILDLIFE & PARKS**

Travelers' Rest State Park - Visitor Center Re-roof
Location and Drawing Index

SHEET: 1 of 4

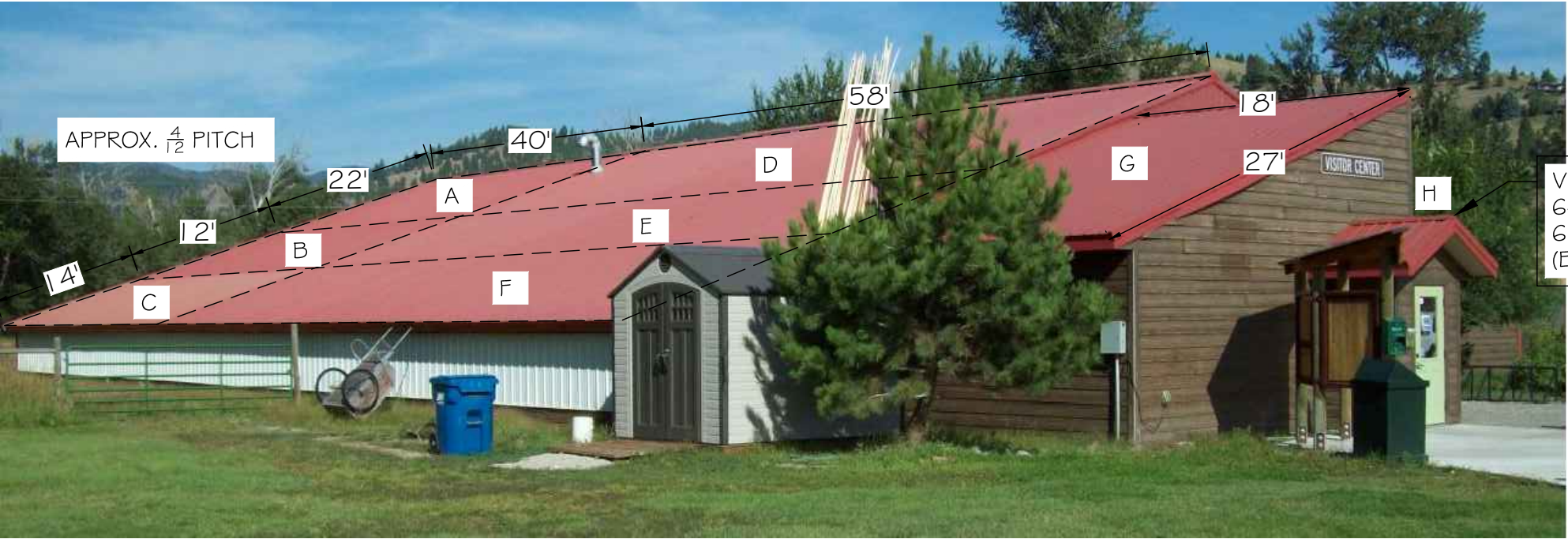
EXISTING CONDITIONS:

- A. MAIN BUILDING: 2X4 TRUSSES @ 24" O.C.
1X4 PURLINS @ 30" O.C.
- B. CHAPEL AREA: 2X6 RAFTERS @ 24" O.C.
1X4 PURLINS @ 30" O.C.
- C. *OUTBOARD LEAN-TO*: 2X6 RAFTERS @ 24" O.C.
1X4 PURLINS @ 30" O.C.
- D. BUILDING ADDITION: 2X6 TRUSSES @ 48" O.C.
2X4 PURLINS @ 24" O.C.
- E. **INBOARD LEAN-TO**: 2X6 RAFTERS @ 24" O.C.
1X4 PURLINS @ 24" O.C.
- F. *OUTBOARD LEAN-TO*: 2X6 RAFTERS @ 24" O.C.
1X4 PURLINS @ 24" O.C.
- G. GIFT SHOP: 2X4 TRUSSES 24" O.C., OSB SHEATHING
- H. VESTIBULE: UNKNOWN CONSTRUCTION

*PRESUMED CONSTRUCTION, INACCESSIBLE FOR INSPECTION.
**PRESUMED CONSTRUCTION FOR ENTIRE LENGTH,
ONLY 1 ROOF PANEL WAS REMOVED FOR INSPECTION.

CONSTRUCTION NOTES:

1. MEASUREMENTS SHOWN ARE APPROXIMATE. CONFIRM DIMENSIONS AND LAYOUT FOR QUANTIFYING MATERIALS. SLOPE FACTOR, WASTE, AND OVERLAP IS INCIDENTAL TO THE PROJECT.
2. PROVIDE SUBMITTAL FOR ALL MATERIALS TO OWNER FOR APPROVAL PRIOR TO ORDERING, NOT LIMITED TO MANUFACTURER'S SPECIFICATIONS, INSTALLATION INSTRUCTIONS AND MATCHING COLOR SAMPLES.
3. OBTAIN ALL PERMITS NECESSARY FOR WORK.
4. CONDUCT WORK MONDAY THROUGH FRIDAY, 8:00AM TO 5:00 PM. ADDITIONAL HOURS AND WEEKEND WORK IS SUBJECT TO OWNER APPROVAL.
5. STAGE ALL EQUIPMENT AND MATERIALS AT REAR (WEST END) OF BUILDING.
6. PROVIDE DUMPSTERS AND PORTABLE BATHROOM FACILITIES FOR CONTRACTOR USE. ALL REFUSE, REMNANTS, FASTENERS, ETC. MUST BE CLEANED UP AND IS SUBJECT TO OWNER APPROVAL PRIOR TO FINAL PAYMENT.
7. REMOVE EXISTING METAL ROOFING MATERIALS AND DISPOSE OFF-SITE.
8. ADDITIONAL RAFTER REINFORCEMENT AND INSULATION MAY BE REQUIRED IN CERTAIN AREAS, SEE SHEET 4 FOR DETAILS.
9. PROVIDE AND INSTALL NEW 26 GAUGE 'DELTA RIB' STYLE PANELS WITH 36" COVERAGE WIDTH AND NO MORE THAN 2 PANEL LENGTHS PER SLOPE RUN.
10. PROVIDE AND INSTALL NEW DRIP EDGE, GABLE EDGE, RIDGE VENT, FLASHINGS, PIPE PENETRATIONS AND OTHER COMPONENTS NECESSARY TO COMPLETE INSTALLATION. THESE ITEMS ARE INCIDENTAL TO THE PROJECT.



VIEW FROM SOUTHEAST CORNER



VIEW FROM SOUTHWEST CORNER



J. Maxwell 10/8/19
DRAWN BY: DATE:
P. JAGODA 10/22/19
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APPROVED BY: DATE:



**MONTANA FISH,
WILDLIFE & PARKS**

Travelers' Rest State Park - Visitor Center Re-roof
South Face, Gift Shop & Vestibule

SHEET: 2
of 4

CONSTRUCTION NOTES:

1. MEASUREMENTS SHOWN ARE APPROXIMATE. CONFIRM DIMENSIONS AND LAYOUT FOR QUANTIFYING MATERIALS. SLOPE FACTOR, WASTE, AND OVERLAP IS INCIDENTAL TO THE PROJECT.
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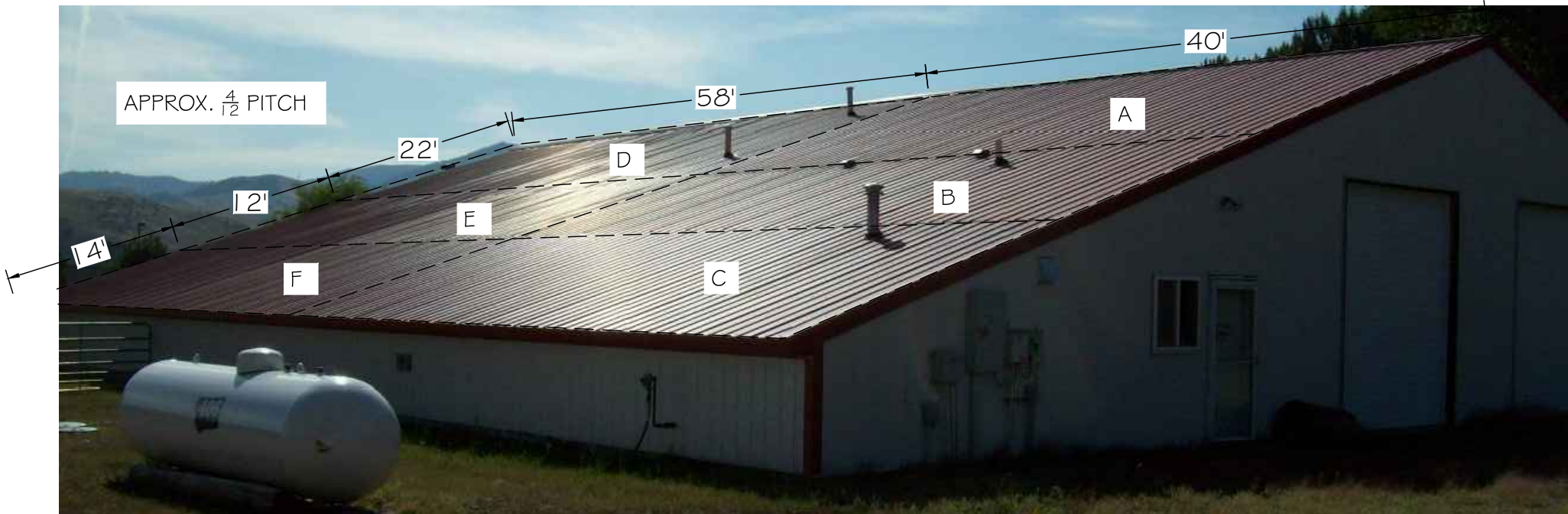
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- B. BATHROOM AREA: 2X6 RAFTERS @ 24" O.C.
1X4 PURLINS @ 30" O.C.
- C. *OUTBOARD LEAN-TO*: 2X6 RAFTERS @ 24" O.C.
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- D. BUILDING ADDITION: 2X6 TRUSSES @ 48" O.C.
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*PRESUMED CONSTRUCTION, INACCESSIBLE FOR INSPECTION.
**PRESUMED CONSTRUCTION FOR ENTIRE LENGTH, ONLY 1 ROOF PANEL WAS REMOVED FOR INSPECTION.



VIEW FROM NORTHEAST CORNER



VIEW FROM NORTHWEST CORNER



J. Maxwell 10/8/19
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P. JAGODA 10/22/19
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APPROVED BY: DATE:
APPROVED BY: DATE:



**MONTANA FISH,
WILDLIFE & PARKS**

Travelers' Rest State Park - Visitor Center Re-roof
North Face

SHEET: 3 of 4

RAFTERS ARE TOE-NAILED TO HEADER.
INSTALL SIMPSON HU2GX HANGERS
W/APPROVED FASTENERS
(EACH CONSIDERED 'RAFTER REINFORCEMENT'
FOR BIDDING PURPOSES)



UNDERSIDE VIEW OF CHAPEL AREA
(AREA B, SOUTH FACE)



EXPOSED VIEW SHOWING TYPICAL RAFTER SAG
(AREA E, SOUTH FACE SHOWN)



NO ANCHORAGE APPARENT
ON LOWER END OF RAFTER.
INSTALL SIMPSON H2.5A TIE
W/APPROVED FASTENERS
ON NON-SISTERED SIDE.

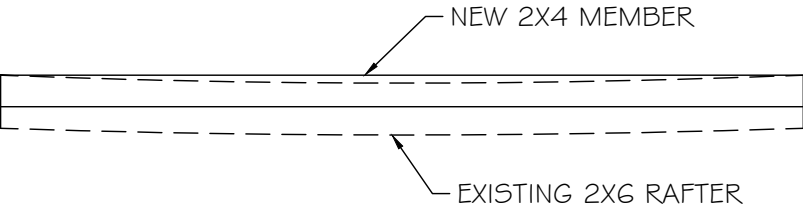
EXPOSED VIEWS OF TYPICAL LEAN-TO RAFTER CONNECTIONS
(AREA E, NORTH FACE SHOWN)



RAFTERS ARE TOE-NAILED
ON UPPER END.
INSTALL SIMPSON H2.5A TIE
W/APPROVED FASTENERS
ON NON-SISTERED SIDE.

RAFTER REINFORCEMENT NOTES:

1. REMOVE EXISTING PURLINS AS NECESSARY TO SISTER NEW 2X4 MEMBERS ADJACENT TO ALL EXISTING 2X6 RAFTERS IN AREAS (C), (E) AND (F) ON NORTH AND SOUTH FACES. (SEE SHEETS 2 & 3 FOR AREA DESCRIPTIONS).
2. PROVIDE #2 OR BETTER DOUGLAS FIR & LARCH, 2X4 NOMINAL SIZE, AT APPROPRIATE LENGTH TO MATCH EXISTING RAFTER TO BE SISTERED.
3. INSTALL 2X4 MEMBER FLUSH WITH TOP OF 2X6 RAFTER @ ENDS. CENTER OF 2X4 MEMBERS WILL BE ABOVE 2X6 RAFTERS TO MAKE UP SAG (SEE DETAIL BELOW).
4. USE 10d VINYL-COATED NAILS OR 3" CONSTRUCTION SCREWS SPACED @ MAX. 12" O.C. TO SISTER RAFTERS.
5. REINSTALL PURLINS USING 8d RING SHANK NAILS OR 2-1/2" CONSTRUCTION SCREWS, USING 2 FASTENERS AT EACH RAFTER INTERSECTION.
6. INSTALL NEW PURLINS OF LIKE-KIND WHERE EXISTING PURLINS CANNOT BE REUSED.



ADDITIVE ALTERNATE #1 - INSULATION NOTES:

1. EXISTING INSULATION IN AREAS (C) AND (F) ON NORTH FACE AND (B), (C) AND (F) ON SOUTH FACE IS THOUGHT TO BE 1-1/2" OR 2" THICK STYROFOAM BOARD INSULATION.
2. ADD R-13, 23" WIDE UNFACED FIBERGLASS INSULATION (ROLL OR BATTS) ON TOP OF EXISITING FOAM BOARD INSULATION PRIOR TO REINSTALLING ROOF COMPONENTS.



J. Maxwell 10/8/19
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APPROVED BY: DATE:



**MONTANA FISH,
WILDLIFE & PARKS**

Travelers' Rest State Park - Visitor Center Re-roof
Rafter and Insulation Details

SHEET: 4
of 4